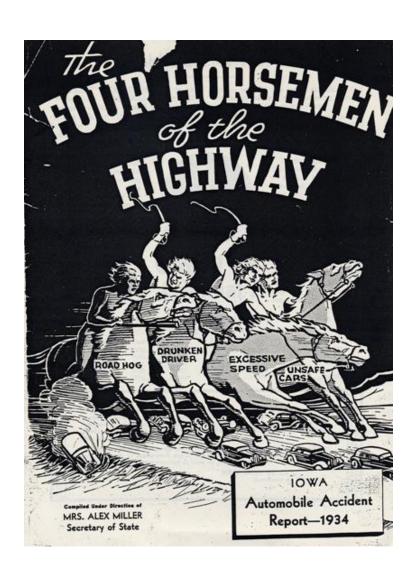




The Iowa State Patrol









The Iowa State Patrol

Ola Babcock Miller's motto for the patrol was "Save Lives First." This still serves as the primary foundation of the Iowa State Patrol's

enforcement efforts.



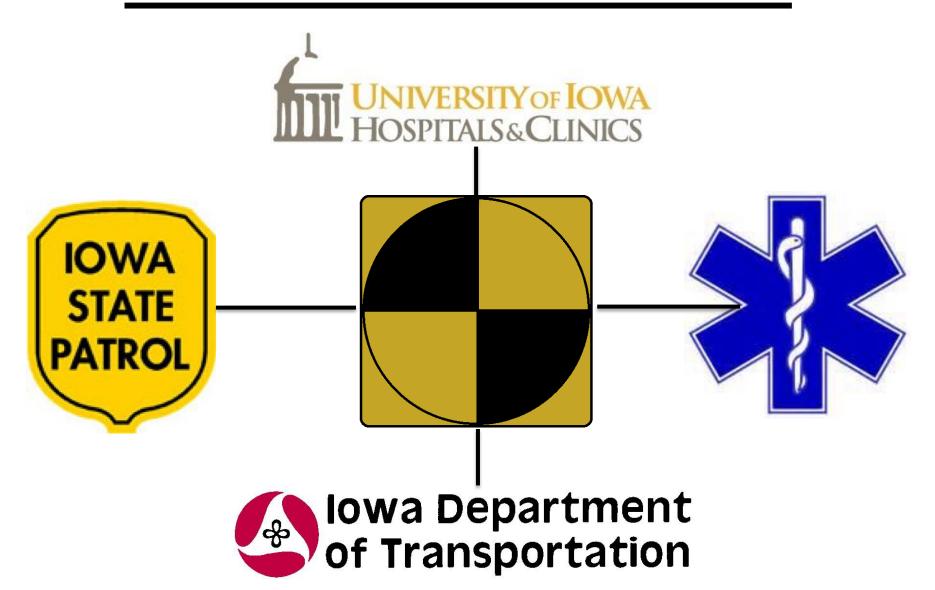
Zero Fatalities

"Having no traffic fatalities on lowa roads may sound like an unattainable goal but when you think about the goal you have for your family it's always going to be zero fatalities"

-Governor Branstad

Traffic Fatalities

- How do we prevent traffic fatalities?
 - Enforcement and education
 - —Engineering
 - Better roadways
 - Better built cars
 - —Trauma treatment after the accident

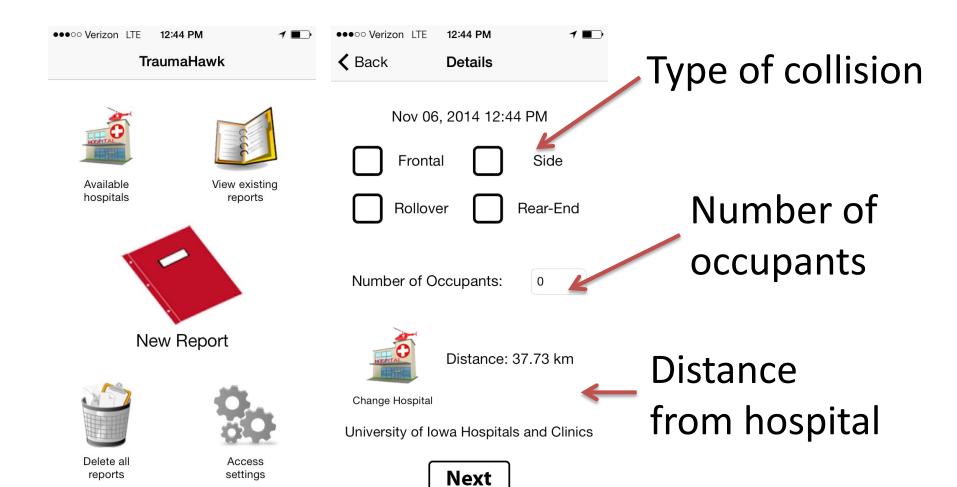


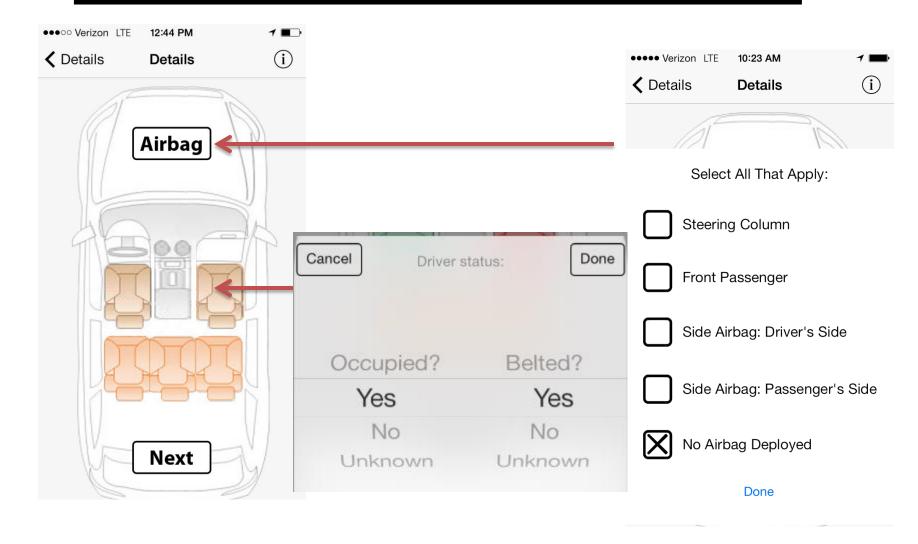
TraumaHawk is a cell phone application that connects first responders at the scene of motor vehicle collision to the trauma team at the hospital.

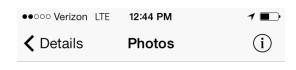




TraumaHawk allows the first responders in the field to quickly generate a report that includes vital collision information along with photographs of the vehicle damage and transmit that report to the emergency room.







Choose the area to photograph



Front View



Steering Column

Floorboard

Driver's Side



Rear View



Passenger's Side

Submit









Help

Camera

Crash ID: Trauma0f607206072014

Crash location:

City: Cedar Rapids, State: IA

Latitude: 41.965870, Longitude:

-91.739433

Crash Type: front

There are 0 images attached:

There are 2 occupants.

Occupancy and Seatbelt details:

Driver occupied: Yes, belted: Yes

Front Passenger occupied: Yes,

belted: No

Rear driver-side occupied:

Occupied?, belted: Belted?

Rear center occupied: Occupied?,

belted: Belted?

Rear passenger-side occupied:

Occupied?, belted: Belted?

Airbag status:

No airbag deployment reported

Submitted by: Kory Reule

Contact phone number: 515-509-

7585

Benefits

- Early notification for trauma team
- Anticipate types of injuries
- More information to diagnose injuries
- Better utilization of hospital resources

Early Notification

- Allows team time to assemble
 - How many and what kind of staff members are going to be needed?
 - What supplies are needed?



Anticipated Injuries

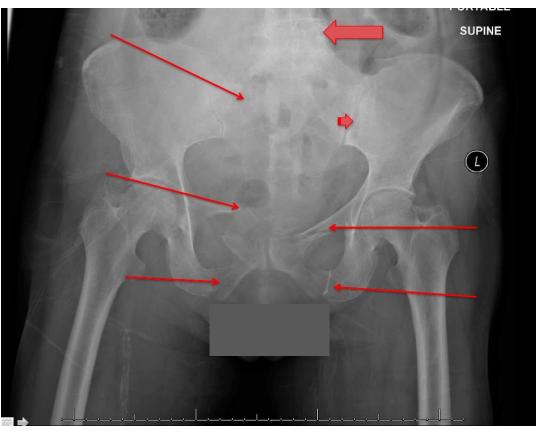






Anticipated Injuries





Anticipated Injuries



What kind of injuries can you expect the driver to have?

Bent steering wheel

No more leg room

Injuries

Patients cant always tell us where it hurts



- Ankle injury?
- Lymphedema?
- Circulatory problem?

Injuries







Better use of hospital resources

- How serious was the crash?
- Does the patient need to stay?



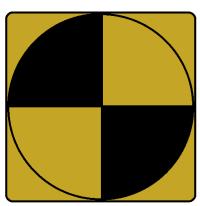




Better use of hospital resources







- TraumaHawk is still in the testing phase.
 If the current trend continues it is likely to expand.
- Fast and reliable networks will guarantee timely delivery of reports of large file size.

Questions?



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daniel-mcgehee@uiowa.edu

http://ppc.uiowa.edu/human-factors/study/traumahawk